| Ir | idex | of C | laims | ; |
|----|------|------|-------|---|
|    |      |      |       |   |

Application/Control No.

10/816,232

Examiner

DOYLE ET AL.

Applicant(s)/Patent under Reexamination

Art Unit

**Edward Wojciechowicz** 

2815

| <b>4</b> | Rejected |
|----------|----------|
| =        | Allowed  |

(Through numeral)
Cancelled Restricted

Non-Elected Ν Interference

Appeal Α 0 Objected

|          |   | Data           |              |                                     |              |          | _                                   |   |          |          |
|----------|---|----------------|--------------|-------------------------------------|--------------|----------|-------------------------------------|---|----------|----------|
| Cla      | HTT)  | Date           |              |                                     |              |          | $\dashv$                            |   |          |          |
| Final    | 0 Original  | 3/5/5          |              |                                     |              |          |                                     |   |          |          |
|          | 1   | 4              |              |                                     |              |          |                                     |   |          |          |
|          | 2   | 7              |              | $\dashv$                            | $\neg$       | -        |                                     |   | Н        | $\neg$   |
| <u> </u> | - 3   | Н              | $\dashv$     |                                     | $\dashv$     | _        | -                                   | -   | $\vdash$ |          |
| <u> </u> | 4   | НН             |              | $\dashv$                            | $\dashv$     | $\dashv$ | $\dashv$                            | =   | -        |          |
| <u> </u> | -   | 1              |              |                                     |              |          | $\dashv$                            | -   | _        |          |
|          | ס   | Н              |              |                                     |              |          |                                     |   | _        |          |
| <u> </u> | 1<br>2<br>3<br>4<br>5<br>6                              | Ш              |              |                                     | _            | -        | $\dashv$                            | _   | _        | _        |
| <u> </u> | <u> </u>  | Ш              |              | _                                   | _            |          | _                                   | _   | _        |          |
|          | 8   | Ш              |              |                                     |              |          |                                     |   |          |          |
|          | 9   | Ш              |              | _                                   |              |          |                                     |   |          |          |
|          | 10  | Ш              |              | Ц                                   | _            |          |                                     |   |          |          |
|          | 11  | Ш              |              |                                     | _            |          |                                     |   |          | $\Box$   |
|          | 12  | Ш              |              | $\Box$                              |              |          |                                     |   | Ш        | Ш        |
|          | 13  | Ш              |              |                                     |              |          |                                     |   | L.,      | Ш        |
|          | 14  | Ш              |              |                                     |              |          |                                     |   |          | Ш        |
|          | 15  | Ш              |              |                                     |              |          |                                     |   |          |          |
|          | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |                |              |                                     |              |          |                                     |   |          |          |
| ĺ        | 17  |                |              |                                     |              |          |                                     |   |          |          |
|          | 18  | П              |              |                                     |              |          |                                     |   |          |          |
|          | 19  | П              |              |                                     |              |          |                                     |   |          |          |
|          | 20  | П              |              |                                     |              |          |                                     |   |          |          |
|          | 21  | П              |              |                                     |              |          |                                     |   |          |          |
|          | 22  | $\sqcap$       |              |                                     |              |          |                                     |   |          |          |
|          | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27            | H              |              |                                     |              |          |                                     |   |          |          |
|          | 24  | H              |              |                                     |              | _        |                                     |   |          | П        |
|          | 25  | 1              |              |                                     |              | _        |                                     |   |          |          |
|          | 26  | 11             |              |                                     |              |          |                                     | _   | _        |          |
| <u> </u> | 27  | 11             |              |                                     |              |          | T i                                 | -   |          |          |
|          | 28  | 5              |              | -                                   | _            | _        |                                     |   | -        |          |
|          | 28<br>29  | 1              |              | $\vdash$                            |              |          |                                     | _   | _        | -        |
|          | 30  | $\vdash$       | -            | _                                   |              |          | -                                   |   |          |          |
| -        | 31  | $\vdash$       | H            | -                                   |              | _        |                                     |   |          | -        |
| -        | 30  | ┢              |              | _                                   |              |          | $\vdash$                            |   | -        | $\vdash$ |
|          | 32  | $\vdash$       |              |                                     |              |          | _                                   | -   | -        | Н        |
|          | 32<br>33<br>34  | -              | H            |                                     |              | $\vdash$ | -                                   | $\vdash$  | $\vdash$ | Н        |
| <u> </u> | 34  | $\vdash$       | $\vdash$     | _                                   | <u> </u>     |          | $\vdash$                            | -   | -        | Н        |
| <u> </u> | 35  | <del> </del> — | <del> </del> | $\vdash$                            | <b> </b>     | H        | $\vdash$                            |   | $\vdash$ | $\vdash$ |
| <u> </u> | 36<br>37  | $\vdash$       |              | -                                   |              | -        | $\vdash$                            | <u> </u>  | ├-       | $\vdash$ |
| <u> </u> | 3/  | $\vdash$       | $\vdash$     | $\vdash$                            | _            | $\vdash$ | H                                   | _   | ⊢        | Н        |
| <u> </u> | 38  | ⊢              | -            | <u> </u>                            | _            |          | $\vdash$                            | _   | _        | <u> </u> |
| <u> </u> | 39  |                | $\vdash$     | $\vdash$                            | _            |          | <u> </u>                            |   | $\vdash$ | <u> </u> |
| <u>├</u> | 40  | ⊢              | _            | L_                                  | $\vdash$     | _        | $\vdash$                            | _   | <u> </u> | Ш        |
|          | 41  | $\vdash$       | <u> </u>     |                                     | $oxed{oxed}$ | <u> </u> | ļ                                   | _   | <u> </u> | Ш        |
|          | 42  | <u> </u>       | <u> </u>     | _                                   | L_           |          | _                                   |   | <u> </u> | <u> </u> |
|          | 43  | $\vdash$       | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              | <u> </u> | <u> </u>                            | <u> </u>  | <u> </u> | Ш        |
| L        | 44  | <u> </u>       |              |                                     |              | <u> </u> | L_                                  | _   | <u> </u> | L        |
| L        | 45  | _              | <u></u>      | 匚                                   |              |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $ldsymbol{le}}}}}}$ | <u> </u> | L        |
|          | 46  | $oxed{\Box}$   | L            | <u> </u>                            |              | L        |                                     |   | 匚        |          |
|          | 47  |                |              |                                     |              |          |                                     | _   |          | L        |
|          | 48  |                |              |                                     |              |          |                                     |   |          |          |
|          | 49  |                | Ī            |                                     |              |          |                                     |   |          |          |
|          | 50  | T              | Г            |                                     |              |          |                                     |   | П        |          |

| Cla          | Date                       |                |                                     |  |              |  |          |          |            |                   |
|--------------|----------------------------|----------------|-------------------------------------|--|--------------|--|----------|----------|------------|-------------------|
|              |                            | $\neg$         |                                     |  |              |  | $\neg$   |          |            |                   |
| <del> </del> | Original                   |                |                                     |  |              |  |          |          |            |                   |
| Final        | igi                        |                |                                     |  |              |  |          |          |            |                   |
| "            | ō                          |                |                                     |  |              |  |          |          |            |                   |
|              |                            | $\blacksquare$ |                                     | Щ  |              |  |          |          |            |                   |
| <u> </u>     | 51                         | $\Box$         |                                     |  |              |  |          |          |            |                   |
|              | 52<br>53                   | $\Box$         |                                     |  |              |  |          |          |            |                   |
|              | 53                         |                |                                     |  |              |  |          |          |            |                   |
|              | 54                         |                |                                     |  |              |  |          |          |            |                   |
|              | 55<br>56                   |                |                                     |  |              |  |          |          |            |                   |
|              | 56                         |                |                                     |  |              |  |          |          |            |                   |
|              | 57                         |                |                                     |  |              |  |          |          |            |                   |
|              | 58<br>59                   |                |                                     |  | Î            |  |          |          |            |                   |
|              | 59                         |                |                                     |  |              |  |          |          |            |                   |
|              | 60                         |                |                                     |  |              |  |          |          |            |                   |
|              | 61                         | П              | _                                   |  | П            |  |          | _        | _          |                   |
| <b></b>      | 62                         | Н              |                                     |  | Н            |  | -        | Н        |            | _                 |
|              | 63                         | Н              |                                     | Н  |              | <u> </u>   |          |          | $\vdash$   |                   |
| $\vdash$     | 63<br>64                   | Н              |                                     | $\vdash$   |              |  | -        | $\vdash$ | -          |                   |
| <b></b>      | 65                         | $\vdash$       | -                                   | -  | $\vdash$     |  | -        |          |            |                   |
| $\vdash$     | 66                         | -              |                                     | $\vdash$   |              | $\vdash$   |          | $\vdash$ | $\vdash$   |                   |
| <u> </u>     | 66<br>67                   |                | -                                   | <del>                                     </del> |              | -  |          | H        |            | -                 |
| <u> </u>     | 0/                         |                |                                     | -  |              |  |          | _        | _          | _                 |
| ļ            | 68                         | Ш              |                                     | _  | <u> </u>     |  | _        | _        |            |                   |
|              | 69<br>70                   | _              |                                     | <u> </u>   | _            |  |          |          |            |                   |
| <u> </u>     | 70                         | <u> </u>       |                                     |  |              | _  | _        |          | $\vdash$   |                   |
|              | 71                         | <u> </u>       |                                     |  |              | _  |          |          | $\vdash$   |                   |
| <u> </u>     | 71<br>72<br>73             | $oxed{oxed}$   |                                     | H  |              | <u> </u>   | _        |          | _          |                   |
| <u> </u>     | 73                         | _              |                                     | <u> </u>   |              | ļ  |          |          | $\vdash$   | _                 |
|              | 75                         | _              |                                     | $\vdash$   | <u> </u>     | ┝  | _        | _        | $\vdash$   | -                 |
| <u> </u>     | 74<br>75<br>76<br>77<br>78 | -              |                                     | ⊢  | _            |  | _        | _        | Н          | -                 |
| $\vdash$     | 77                         | -              |                                     | ┝  |              |  | $\vdash$ | ┝        | -          | $\vdash$          |
| <del></del>  | 70                         |                | _                                   | ├-   | <del> </del> | ├─   | -        | -        | $\vdash$   |                   |
| -            | 70                         | -              | -                                   | -  |              | ┝  | ┝        |          |            | _                 |
| <u> </u>     | 79                         |                | _                                   | -  | _            | $\vdash$   | -        | -        | <u> </u>   | ⊢                 |
| <u> </u>     | 80                         | _              |                                     |  | <u> </u>     | <u> </u>   | <u> </u> | _        |            | <u> </u>          |
| <u> </u>     | 81                         | $\vdash$       | L                                   | <u> </u>   | <u> </u>     | <del>                                     </del> | <u> </u> | $\vdash$ | -          | $\vdash$          |
|              | 82<br>83                   | -              | _                                   | $\vdash$   | <del> </del> | ⊢  | $\vdash$ | <u> </u> | $\vdash$   | $\vdash$          |
| <u> </u>     | 83                         | <u> </u>       | ļ                                   | <u> </u>   | ⊢            | <u> </u>   | <u> </u> | <u> </u> | $\vdash$   | ļ                 |
|              | 84                         | $\vdash$       |                                     | ļ  | <u> </u>     | $\vdash$   | <u> </u> | <u> </u> | <u> </u>   | <u> </u>          |
|              | 85                         |                | _                                   |  | _            | <u> </u>   | <u> </u> | <u> </u> | <b>!</b> — | <u> </u>          |
|              | 86                         | <u> </u>       | L                                   |  | <u> </u>     | L  | <u> </u> | <u> </u> | <u> </u>   |                   |
| <u></u>      | 87                         |                | _                                   | <u> </u>   | <u> </u>     | <u></u>  | Ļ        | <u> </u> | <u> </u>   | <u> </u>          |
| L            | 88                         | _              |                                     |  | L            | L_   | <u> </u> | <u> </u> | <u> </u>   | <u> </u>          |
| L            | 89                         | Ш              | <u> </u>                            | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u> | <u> </u> | <b> </b>   | <b>L</b>          |
|              | 90                         | Ш              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _  | L            | <u> </u>   | <u> </u> | <u> </u> | <u> </u>   | <u> </u>          |
|              | 91                         | L_             | L                                   | 1  | <u> </u>     | Щ  | <u> </u> |          | <u> </u>   | $\vdash$          |
|              | 92                         | L_             | _                                   | L_   | <u> </u>     | <u> </u>   | L_       | _        | <u> </u>   |                   |
| L            | 93                         |                | <u>L</u>                            | _  | L_           | _  |          | <u> </u> | _          | <u> </u>          |
|              | 94                         | <u> </u>       | $ldsymbol{f eta}$                   | <u> </u>   | <u> </u>     | Щ.   | ļ        | <u> </u> | <u> </u>   | ļ                 |
|              | 95                         |                | $oxed{oxed}$                        | <u> </u>   | <u> </u>     | l  | <u> </u> | L        | <u> </u>   | $ldsymbol{f eta}$ |
| L            | 96                         |                | L                                   |  |              | <u> </u>   | <u> </u> | <u> </u> |            | <u> </u>          |
|              | 97                         |                | Ĺ                                   |  |              |  |          |          | _          | L                 |
| L            | 98                         | L              |                                     | _  | L            | L  | <u> </u> |          | L_         | <u> </u>          |
|              | 99                         |                |                                     |  |              |  |          |          |            |                   |

| Cli         | aim                                    |              |  |  |          | Date               |  |  |              | $\neg$         |
|-------------|--|--------------|--|--|----------|--------------------|--|--|--------------|----------------|
|             |  |              |  |  | T        |                    |  |  |              |                |
| -m          | Original                               |              |  |  |          |                    |  |  |              |                |
| Final       | iĝi                                    |              | ľ  |  |          |                    |  |  |              |                |
| -           | ō                                      |              |  |  |          |                    |  |  |              |                |
| <b></b>     | 101                                    | _            |  | _  |          |                    | Н  | _  |              | -              |
|             | 101<br>102                             | -            | _  |  | -        | $\dashv$           | -  |  | $\dashv$     | $\dashv$       |
|             | 102                                    | _            | _  | _  |          |                    | -  |  | -            | $\dashv$       |
|             | 103                                    | -            | _  | $\vdash$   |          | _                  |  | _  | $\dashv$     | $\blacksquare$ |
|             | 104<br>105                             | _            |  |  |          |                    |  |  |              | $\dashv$       |
|             | 105                                    |              |  |  |          |                    |  |  |              | Щ              |
|             | 106                                    |              |  |  |          |                    |  |  |              | Ш              |
|             | 107                                    |              | _  |  |          |                    |  |  |              |                |
|             | 108                                    |              |  |  |          |                    |  |  |              | Щ              |
|             | 109<br>110                             |              |  |  |          |                    |  |  |              | Щ              |
|             | 110                                    |              |  |  |          |                    |  |  |              |                |
|             | i 111                                  |              |  |  |          |                    |  |  |              | $\Box$         |
|             | 112                                    |              |  |  |          |                    |  |  |              |                |
|             | 113                                    |              |  |  |          |                    |  |  |              |                |
|             | 112<br>113<br>114<br>115               |              |  |  |          |                    |  |  |              |                |
|             | 115                                    |              |  |  |          |                    |  |  |              |                |
|             | 1116                                   |              |  |  |          |                    |  |  |              |                |
|             | 117                                    |              |  |  |          |                    |  |  |              | П              |
|             | 118                                    | Г            | Т  | Г  | П        | Г                  | Г  |  | П            | П              |
|             | 119                                    | $\vdash$     | Н  |  |          |                    |  |  |              | П              |
|             | 120                                    | -            | -  |  |          |                    | $\vdash$   | $\vdash$   |              |                |
| <del></del> | 120<br>121                             | -            |  |  |          |                    | -  | Н  | _            | Н              |
|             | 122                                    | <del> </del> | ⊢  |  | -        | H                  | H  | $\vdash$   |              | Н              |
| <b></b>     | 122<br>123<br>124<br>125<br>126<br>127 |              | ├  | $\vdash$   | $\vdash$ |                    |  | $\vdash$   |              | H              |
|             | 123                                    | _            | -  |  | _        |                    | $\vdash$   | _  |              | Н              |
|             | 124                                    | -            | <u> </u>   | _  | <u> </u> | _                  | -  | _  |              | Н              |
|             | 125                                    |              | <u> </u>   |  | H        | _                  | _  | _  |              | _              |
|             | 126                                    | -            | _  | <u> </u>   | _        | _                  | -  | $\vdash$   |              | Н              |
|             | 127                                    | ⊢            | -  | <del> </del>                                     | <u> </u> | ├                  | ⊢  | -  | _            | ┞┈┤            |
|             | 128<br>129<br>130                      | <u> </u>     | <u> </u>   |  | _        | $\vdash$           | L  | <u> </u>   |              | Н              |
| <u> </u>    | 129                                    | <u> </u>     | ┞  | _  |          | <u> </u>           | _  | <u> </u>   |              | Н              |
|             | 130                                    | _            | L  | _  | L        | <u> </u>           |  |  |              | Ш              |
| L           | 131<br>132                             |              | <u> </u>   | _  |          | L                  |  |  | _            | Ш              |
|             | 132                                    |              | <u> </u>   | <u> </u>   |          | _                  | <u> </u>   | _  |              | Щ              |
| L           | 133<br>134                             | <u> </u>     | <u> </u>   | _  |          | <u> </u>           | <u> </u>   | L_   |              | Щ              |
| <u></u>     | 134                                    |              |  | <u> </u>   | L        | <u> </u>           | <u> </u>   | $oxed{oxed}$                                     | $oxed{oxed}$ | Ш              |
|             | 135                                    | <u></u>      | L  | $ldsymbol{f eta}$                                |          | L_                 | <u> </u>   |  | _            | Ш              |
|             | 136<br>137                             |              |  | _  |          | $oxedsymbol{oxed}$ | $ldsymbol{ld}}}}}}$ |  | <u> </u>     | Ш              |
|             | 137                                    | L            | _  | <u> </u>   |          | _                  |  |  |              | Ш              |
|             | 138                                    | Ĺ            |  |  |          |                    |  | $oxedsymbol{oxed}$                               |              | Ш              |
|             | 139                                    |              |  |  |          |                    |  |  |              |                |
|             | 140                                    |              |  |  |          |                    |  |  |              |                |
|             | 141                                    |              |  |  |          | _                  |  |  |              |                |
|             | 142                                    | T            |  |  |          |                    |  |  |              | П              |
|             | 143                                    |              | Г  | Г  |          | Г                  |  |  |              |                |
|             | 144                                    | $\vdash$     | Г  |  |          |                    | П  | Г  |              | П              |
|             | 145                                    | Т            |  |  |          | Г                  | 1  | Ī  |              | П              |
| $\vdash$    | 146                                    | $\vdash$     | $\vdash$   | <del>                                     </del> | ı        | <u> </u>           | <u> </u>   | $\vdash$   | T            | Н              |
| $\vdash$    | 147                                    | -            | <del>                                     </del> | -  | $\vdash$ | $\vdash$           | $\vdash$   | <del>                                     </del> | t            | Н              |
| -           | 148                                    | -            | -  | $\vdash$   | 1        | $\vdash$           | $\vdash$   | <del>  -</del>                                   | ╁─           | $\vdash$       |
| <u> </u>    | 149                                    | ┢            | $\vdash$   | <del>  -</del>                                   | $\vdash$ | $\vdash$           | +-   | $\vdash$   | -            | Н              |
|             |  | }            | $\vdash$   | $\vdash$   | $\vdash$ | -                  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash\vdash$ |
|             | 150                                    | l            | L_   |  |          |                    |  | <u></u>  | <u> </u>     | ш              |